1849MNRAS...9...97.

IRIS.

Observations.

LIVERPOOL. Equatoreal. (Mr. Hartnup.)

1849.	Greenwich M.T.	R.A.	N.P.D.	Comp^d—Observ^d. R.A.	Comp^d—Observ^d. N.P.D.	Star.
	h m s	h m s	° ′ ″	s	″	
Jan. 22	13 18 59·5	10 18 13·80	87 47 43·8	...	...	*a*
30	12 0 57·0	11 40·00	33 19·9	+0·11	+2·6	*b*
31	10 54 21·7	10 47·72	30 45·3	+0·14	2·9	*b*
Feb. 8	10 47 36·1	10 3 0·88	87 3 26·9	—0·25	7·1	*c*
12	11 44 20·9	9 58 52·66	86 46 11·1	0·19	5·3	*d*
13	10 47 28·2	57 53·60	41 47·6	0·55	5·0	*d*
17	11 49 43·6	53 44·32	22 16·6	0·73	7·3	*e*
19	9 19 57·2	51 48·90	86 12 42·0	0·83	7·8	*e*
26	9 35 43·6	45 0·20	85 35 50·7	1·00	4·2	*f*
28	9 48 48·6	43 10·92	25 3·8	1·17	4·7	*f*
Mar. 1	9 54 31·0	42 18·02	19 41·6	1·45	4·0	*f*
2	10 40 25·3	41 24·45	14 9·7	1·14	4·8	*f*
3	11 29 22·0	40 32·44	85 8 41·3	1·31	2·7	*f*
5	11 12 27·4	9 38 55·94	84 58 9·7	—1·37	+4·1	*f*

a	3458, 3684	B.A.C.	*d*	3412, 3483	B.A.C.
b	3483, 3570	—	*e*	3374, 3449	—
c	3412, 3532	—	*f*	3295, 3412	—

"The places of the stars of comparison are taken from the catalogue cited. The observed places are corrected for refraction and parallax. The computed places are deduced from the *corrected* ephemeris of MM. Pogson and Hind, which is printed in the present *Monthly Notice.*

"The N.P.D. are all from the circle readings. The method of observing is to select two stars from the B.A.C.; in general, one preceding and the other following the planet; one north and the other south of the planet. The instrument is firmly clamped in R.A., and the transits of the two stars and planet observed, each over five wires, the bisection with the horizontal wire is made at the time of transit by means of the slow motion screw attached to the declination circle. Immediately after each transit the two micrometer microscopes of the declination circle are read. The instrument is then unclamped in R.A., and the observations repeated, sometimes with the instrument in the same position as regards the declination circle; at other times the declination-axis is reversed for the second series, when the microscopes can be conveniently got at after so doing."

DURHAM. Fraunhofer Equatoreal. (Professor Chevallier and Rev. R. A. Thompson.)

1849.	Greenwich M.T.	R.A.	N.P.D.	Comp^d—Obs^d. R.A.	Comp^d—Obs^d. N.P.D.	No. Comp.	Star.
	h m s	h m s	° ′ ″	s	″		
Feb. 7	12 27 34·7	10 3 56·69	87 7 8·5	+0·36	+6·6	4	*a*
8	9 57 14·6	10 3 2·95	87 3 36·3	—0·21	6·3	8	*a*
13	9 56 21·3	9 57 55·72	86 41 57·6	0·48	4·8	6	*b*
19	11 28 37·6	51 42·96	12 18·6	0·30	3·8	6	*c*
20	8 28 30·3	50 50·37	7 49·2	0·48	2·4	6	*c*
21	11 30 40·7	49 43·07	86 1 57·5	0·47	3·2	4	*c*
28	9 30 50·8	43 11·74	85 25 5·7	1·44	6·8	3	*d*
Mar. 3	9 3 42·0	9 40 37·04	85 9 8·4	—0·99	+7·8	6	*e*

Downloaded from http://mnras.oxfordjournals.org/ by guest on May 10, 2015

© Royal Astronomical Society • Provided by the NASA Astrophysics Data System

1849MNRAS...9...98.

The computed place is taken from the *corrected* ephemeris published in the present *Monthly Notice.*

The following are the assumed *apparent* places of the stars, deduced from one observation of each with the transit circle, except the last star, which has been brought up from the Edinburgh Observations for 1837.

		R.A. h m s	N.P.D. ° ′ ″
a = H.C. 19782	Feb. 7	10 1 38·03	86 53 38·4
b = H.C. 19722	13	9 58 20·90	86 50 29·1
c = B.A.C. 3412	19	9 51 54·21	85 53 59·8
d = H.C. 19268	28	9 41 50·61	85 12 23·6
e = B.A.C. 3359	Mar. 3	9 42 39·87	84 57 17·7

Haverhill. Equatoreal. (W. W. Boreham, Esq.)

1849.	Greenwich M.T. h m s	R.A. h m s	N.P.D. ° ′ ″	Obs.	Star of Comp.	
Jan. 17	10 10 38	10 21 40·35	87 50 24·6	4	Weisse, x.	392
22	10 10 2	18 19·48	47 37·5	6	—	294
26	9 48 37	15 12·59	42 15·8	5	—	247
Feb. 2	10 51 14	8 55·23	25 1·6	1	—	107
8	10 1 14	3 3·34	87 3 26·9	4	—	6
10	9 52 9	1 3·75	86 55 33·9	4	—	6
11	9 45 59	10 0 0·79	51 5·5	6	—	6
12	10 1 44	9 58 56·72	46 11·9	5	H.C.	19722
13	10 2 57	57 55·56	41 38·3	5	—	—
15	10 39 41	55 50·39	32 43·1	10	B.A.C.	3436
16	10 2 4	54 50·26	27 55·6	5	—	—
17	10 47 26	53 47·19	22 44·6	6	Weisse, ix.	1149
19	10 4 9	51 46·97	12 53·9	8	B.A.C.	3412
20	10 44 12	9 50 45·18	86 7 30·5	5	—	—

Corrected for parallax and refraction.

Hamburg. Meridian Circle. (M. C. Rümker.)

1849.	Hamburg M.T. h m s	R.A. ° ′ ″	Dec. ° ′ ″
Feb. 1	13 21 24·5	152 26 57·4	+2 32 13·7
2	13 16 32·1	152 12 47·6	+2 35 16·9

Ephemeris of Iris (by MM. Hind and Pogson) from Mr. Pogson's Elements, p. 42.

For Greenwich Mean Midnight.

1849.	Appt R.A. h m s	Appt N.P.D. ° ′ ″	1849.	Appt R.A. h m s	Appt N.P.D. ° ′ ″
Jan. 24	10 16 45·38	87 45 29·4	Jan. 30	10 11 40·15	87 33 22·6
25	15 57·60	43 56·2	31	10 45·34	30 42·7
26	15 8·51	42 12·3	Feb. 1	9 49·56	27 52·1
27	14 18·17	40 16·6	2	8 52·85	24 51·4
28	13 26·63	38 9·7	3	7 55·32	21 40·5
29	10 12 33·94	87 35 51·7	4	10 6 57·01	87 18 19·6

Downloaded from http://mnras.oxfordjournals.org/ by guest on May 10, 2015

© Royal Astronomical Society • Provided by the NASA Astrophysics Data System